

EX128 Series Telescopic Composite Crank-Up Support Mast

Type EX128

Racal Antennas series of composite telescopic support masts are manufactured by their subsidiary company Mastsystem Int'l Oy.

The EX128 series mast is designed for headloads up to 50 kg with heights available up to 24 meters. Mast sections are made from pultruded composite tubes with aluminium and stainless steel fittings. Masts can be elevated using a manual winch or with an optional electrically operated winch. EX128 masts sections move inside each other on guides which prevent the sections from turning. Once erected the mast can still be rotated by 360 degrees and locked in position. Mounting kits are available for ground, vehicles and shelters, as well as a variety of other ancillary equipment.

Mastsystem Int'l Oy manufactures six main mast product series: TM, TR, TX, EX, EXL and EXB, with masts heights available from three to fifty metres. All masts are designed to meet the demanding requirements of mobile communications systems. Typical applications include defence, emergency services, survey, broadcast and temporary illumination. Every mast is designed and manufactured to operate in environmental extremes such as the arctic, desert and the tropics.



EX128 Mast
Project Parakeet - Australia

STANDARD MAST TYPES	EX128 8-2	EX128 10-2.3	EX128 12-2.7	EX128 15-3.4	EX128 18-4	EXA128 24-4.8
P/N, Complete system (Ground Mounted)	301043	300842	300780	301030	300723	300693
P/N, Mast Only	302333	300851	300781	301031	300726	301180
System height with extension tube [m]	8.5	10.5	12.5	15.5	18.5	24.0
Mast extended height [m]	8.0	10.0	12.0	15.0	18.0	23.5
Retracted length [m]	2.0	2.3	2.8	3.4	4.0	4.8
Max. vertical top load [kg]	50	40	35	35	35	20
Max. wind area CxA [m2]	1.2	1.0	1.5	1.2	0.9	0.8
Max. wind speed [m/s]	35	35	35	35	35	35
Guy radius [m]	4	7	10	10	12	14
Qty of guys x levels	4x2	4x2	4x3	4x3	4x3	4x4
Qty of sections	6	6	6	6	6	6
Mast weight [kg]	24	27	30	36	41	49
Accessories weight [kg]	29	29	40	40	41	59

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